90w universal - 3 in 1

AC-ADAPTER

P/N: ES1002

eSTUFF

Product specifications

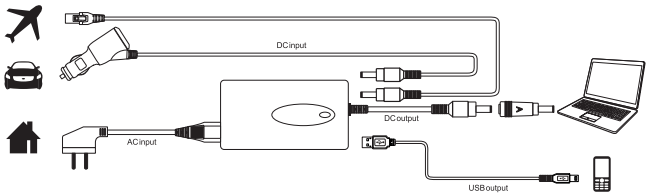
- AC input: 100~240V.
- DC output: 18.5~20.5V 4.5A 90W.
- DC input: 11~24V 9A (max).
- USB output: DC 5V 1A (max) 5W.

90w universal - 3 in 1
AC-ADAPTER
eSTUFF
READY TO GO
Charge your laptop or other digital products
3 kinds of input:
• Use at home and office
• Use in car
• Use on airplane
Dual output:
• DC output: 18.5V-20.5V 4.5A 90W
• USB output: 5V 1A (max) 5W

Product features

- Support all major laptop brands.
- Control and switch voltage automatically.
- Display to show the current voltage.
- Charge your MP3, mobile phone, ditigal camera etc with the standard USB output port.
- Nice and compact design.
- Worldwide compatible with 100-240V AC input voltage.
- Antistatic safety design.
- Made of environmental material.
- Chip to control over temperature, current and voltage protection.

Diagram of function



Connector specifications

No	Output voltage	Connectors spec.	Replacement
Standard connectors	18.5-20.5V	5.5*2.5*10.7mm	**ACER:** 19V 3.42A, 19V 4.74A; **IBM:**19V/4.2A; **COMPAQ/HP:**18.5V/4.9A,19V/4.9A; **DELTA:**19V/2.64A.; **LS:**20V/3.25A; **TOSHIBA:** 19V/1.58A, 19V/3.16A,19V/3.42A, 19V/3.95A, 19V/4.74A; **DELL:**19V/3.16A,19V/3.42A; **NEC:**19V/2.64A, 19V/3.16A; **LITEON:**19V/3.16A,19V/3.42A,19V/3.95A, 19V/4.74A; 20V/4.5A; **GATEWAY:**19V/3.16A,19V/3.42A,19V/3.68A,19V/4.74A etc.
A	19V	4.8*1.7*10.7 mm	**HP/COMPAQ:** 18.5V/1.1A, 18.5V/2.7A,18.5V/3.5A,18.5V/3.8A,18.5V/4.9A; **DELTA:**19V/2.64A; **ASUS:**19V/2.64A; **NEC:**19V/2.64A etc.
B	19V	5.5*2.1*10.7mm	**ACER:** 19V/3.16A,19V/3.42A,19V/4.74A; **LITEON:** 19V/3.16A,19V/3.42A; **NEC:** 19V/3.16A etc.
C	19V	5.5*3.0*10.7mm	**SAMSUNG:** 19V/3.16A,19V/3.75A,19V/4.22A,19V/4.74A etc.
E	19.5V	6.0*4.3*10.7mm	**SONY:** 19.5V/2.7A,19.5V/3A,19.5V/4.1A,19.5V/4.7A; **FUJITSU:** 19V/3.16A, 19V/3.69A,19V/4.22A etc.
F	19V	5.5*1.7*10.7mm	**ACER:**19V/1.58A, 19V/3.16A , 19V/3.42A **DELTA:** 20V/3.5A **LITEON:** 19V/3.42A etc.
H	20V	W7.3*7.4mm 3pin	**DELL:** 20V/3.5A,20V/4.5A etc
I	19.5V	7.4*5.0*12.5mm	**DELL:** 19.5V/3.34A,19.5V/4.62A etc.
J	20V	7.9*12*9.5mm	**IBM/LENOVO:** 20V/3.25A,20V/4.5A etc.
N	18.5V	7.4*5.0*12.5mm	**HP/COMPAQ:** 18.5V/3.5A, 19V/4.74A etc.
O	19V	4.8*1.7*10.7mm (slim)	**HP/COMPAQ:**19V/4.74A; 18.5V/4.9A etc.

Above brands are original patent.